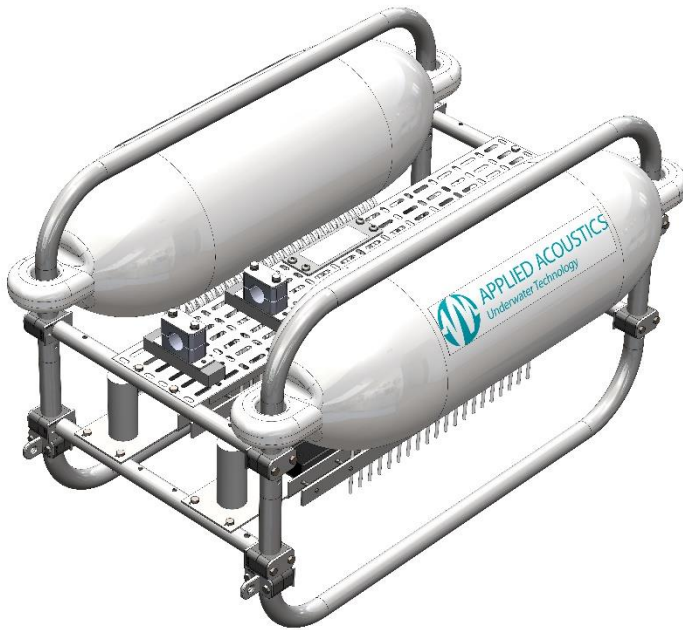




Dura-Spark L80, Seismic Sound Source



Key Features

- Long life, durable electrodes
- Pulse stability
- High resolution sub-bottom data, up to 15cms
- Compact, lightweight.
- Single low loss cable

Applications

- High and Ultra-High Resolution coastal geophysical surveys
- Single and multi-channel acquisition
- Water depths of 5 to 200m

The Dura-Spark L80 has been designed to provide a light weight stable, repeatable sound source for sub-bottom geophysical surveys. The long life, durable electrodes produce a consistent pulse signature and keep operational maintenance to a minimum. This provides increased survey efficiency and equipment reliability as the sparker tips rarely need replacement.

The Dura-Spark L80 consists of 2 banks of 40 tips mounted on a compact catamaran ideal for small coastal vessel survey operations in shallow water. When coupled with the CSP-NP Seismic Power Supply the system offers 2000J/s peak discharge rate, as well as industry leading design and safety standards.



Dura-Spark L80 Technical Specification

PHYSICAL

Dimensions	Length 770mm Height 537mm frame Width 740mm, including floatation
Weight	35kg (typ)
Connector	RMK 1/0 complete with locking collar

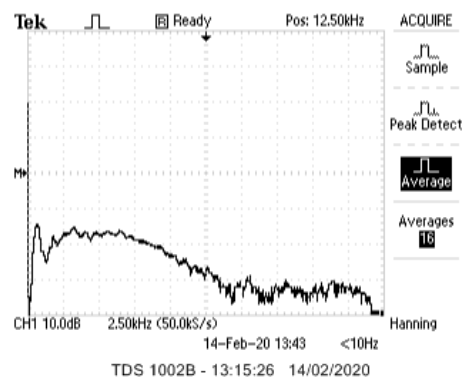
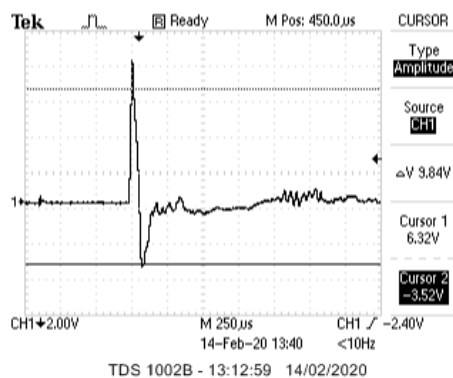
ELECTRICAL

40 tip configuration	100J, <3J per tip to minimise bubble collapse component, 300J Maximum
80 tip configuration	200J, <3J per tip to minimise bubble collapse component, 350J Maximum
Operating voltage	3000-4000V
Maximum number of tips	80 (2x 40 bank)
Power Supply	CSP-NP
HV Supply Cable	HVC-2000

SOUND OUTPUT

Source level	221dB re 1 μ Pa at 1m (typical)
Pulse length	0.25ms Dependent on power applied

DURA-SPARK L80 TYPICAL PULSE SIGNATURES AT 200J



Due to continual product improvement, specification information may be subject to change without notice.
Dura-Spark L80 / April 2020
©Applied Acoustic Engineering Ltd.



Applied Acoustic Engineering Ltd
Marine House, Marine Park
Gapton Hall Road
Great Yarmouth NR31 0NB
United Kingdom

T +44(0)1493 440355
F +44(0)1493 440720
E general@appliedacoustics.com
W www.appliedacoustics.com